

**METHOD AND APPARATUS TO REDUCE PROCESSING  
REQUIREMENTS FOR THE PLAYBACK  
OF COMPLEX AUDIO SEQUENCES**

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**ABSTRACT OF THE DISCLOSURE**

An invention to off-load the processing requirements for the playback of audio sequences within an electronic device. A dual processing system is utilized in which a host processing unit manages a plurality of tone patterns and detects the occurrence of events that require the playback of one or more of the tone patterns. The host processing unit transfers the appropriate tone patterns to a supplemental processing unit. The supplemental processing unit performs all of the necessary conversions for transforming the tone patterns into audio sequences and playing the tone sequences. This advantageously allows the host processing unit to process time-critical events without being burdened by providing the playback of the tone patterns.

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